

## Bratcher, Mike, EMNRD

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**From:** Van Curen, Jennifer <jvancure@blm.gov>  
**Sent:** Thursday, January 16, 2014 6:40 AM  
**To:** Bratcher, Mike, EMNRD  
**Subject:** Fwd: GPII Littlefield Bo #2 Battery (2RP-1738) - Further Delineation  
**Attachments:** GPII Littlefield Bo #2 Battery - Further Delineation.pdf

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----- Forwarded message -----

**From:** Lara Weinheimer <[lweinheimer@rice-ecs.com](mailto:lweinheimer@rice-ecs.com)>  
**Date:** Wed, Jan 15, 2014 at 5:22 PM  
**Subject:** GPII Littlefield Bo #2 Battery (2RP-1738) - Further Delineation  
**To:** Jennifer Van Curen <[jvancure@blm.gov](mailto:jvancure@blm.gov)>  
**Cc:** Hack Conder <[hconder@rice-ecs.com](mailto:hconder@rice-ecs.com)>, Jacob Kamplain <[jkamplain@rice-ecs.com](mailto:jkamplain@rice-ecs.com)>

As part of the Addendum to the GPII Littlefield Bo #2 Battery (2RP-1738) sent to you on December 4<sup>th</sup>, 2013, RECS requested that the southwest corner of the bermed battery needed to be delineated. Another vertical would be installed in the southwest corner of the battery to a depth where laboratory chloride readings indicate a significant decline. Once this had been achieved, the highest impacted soil, to a depth of 2-3 ft bgs, would be excavated and sent to a NMOCD approved facility. The excavation would be backfilled with clean, imported soil and a 40 mil reinforced poly liner would be installed over the surface of the area.

Per your approval, the vertical was extended to the north and with some effort, we were able to break through the rock and get samples at a depth of 5.5 ft and 6 ft. Both those samples were below 1,000 mg/kg. Another vertical was installed to the northeast and determined that rock was located there as well. The attachments show the locations of the vertical and where they used the hydrovac to find rock. In addition, I included a photo page so that you could see the locations of the verticals in relation to the battery.

Given this data, I would like to either meet with you or talk to you on the phone to discuss a path forward. You suggested in your email of December 4<sup>th</sup>, 2013 that when the samples came back, we could determine a depth of the 40-mil poly liner that will suffice strategically, so that it will not become a problem when the location is abandoned. We suggest that the southwest corner be scraped down to the rock and the contaminated material

be taken to a NMOCD approved facility for disposal. The rock would be padded with six inches of soil to protect the liner from punctures. Then the liner would be installed and properly seated.

Let me know whether you would like to meet or if it would be more convenient to just use the phone to discuss a path forward.

Thanks!

Lara Weinheimer

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Project Scientist

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